CIP LIGHTING

BUY AMERICAN ACT COMPLIANT

AmberLED Full Cutoff Bollard

L70 25°C — 147,000 Hours

B5OQF
Full Cutoff Bollard
with 360° Distribution

B5HQF
Full Cutoff Bollard
with 180° Shield

Shown with "S5" Sensor

Shown with GFCI

Dimensions	
Diameter (D)	4¾″ (120mm)
Height (A)	40⅛″ (1019mm)

The AmberLED NIKLAS Full Cutoff Bollards with choice of optics are designed for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:

Housing:
Extruded Aluminum Housing with Flush Mounting Base, Flat Top. Bollards Can Be Cut to Custom Lengths Upon Request.

Listing & Ratings:
ETL: Listed for Wet Locations, ANSI/UL 1598, 8750
IP66 Sealed LED Compartment.

Finish:
Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Styles:
360° Light Distribution, 120° Shield or 180° Shield

Lens:
Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

Mounting Options:
Mounting Kit with 8″ Zinc-Plated Anchor Bolts, Included.

AmberLED:
Aluminum Boards

Wattage:
360° Arrays: 14w, System: 16.1w
180° & 120° Arrays: 14w, System: 16.1w

Driver:
Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:
Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with QSSI Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:
5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

AmberLED

Project Information:

Project Name: | Fixture Type:

Complete Catalog #: | Date:

Comments:

Certification & Listings:

C ETL US — IP66

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NIKLAS 5 Full Cutoff Bollard

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Order Information Example: NIKLAS 5-1X14-U-AM-C-Z-30-SP

	U	AM	C			
Model	**Driver**	**CCT**	**Lens**	**Color**	**Height**	**Options**
NIKLAS 5-1X14=Full Cutoff Bollard - 360°, 14w **NIKLAS 52-1X14**=Full Cutoff Bollard with 120° Shield, 14w **NIKLAS 53-1X14**=Full Cutoff Bollard with 180° Shield, 14w	**U**=120-277V	**AM**=1400K	**C**=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens	**Z**=Bronze **B**=Black **C**=Custom (Consult Factory)	**(Leave Blank)**=40⅛″ Standard Height **30**=30" Height	**SF**=Single Fuse* **DF**=Double Fuse* **SP**=Surge Protection **GF1**=GFCI Outlet, 15A, 120V **S5**=Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17125 Spec Page for Details.* ***120-277V Models Only.**

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)

BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPG Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½″ Dia. x 1½″ H

*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

BREBASE*

***Shown Mounted**

Accessories (Order Separately, Field Installed)

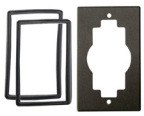
P17126	Remote Programming Tool for P17125

P17126

Replacement Parts (Order Separately, Field Installed)

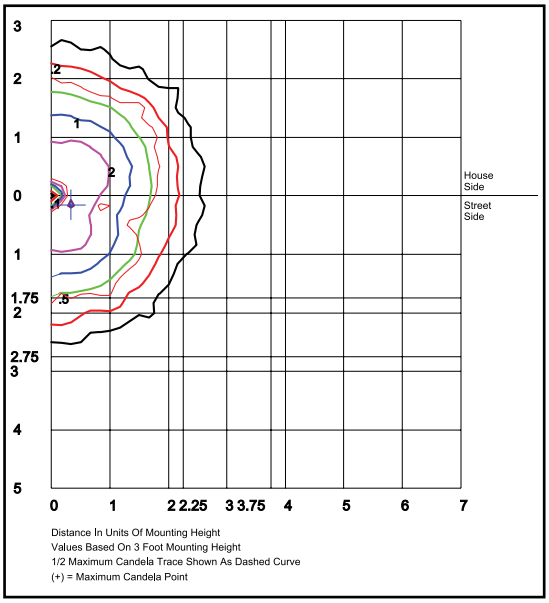
P17125	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17125 Spec Page for Details.
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits LEPG Round Bollards. Die Cast with Bronze Powdercoat Finish.

P17125



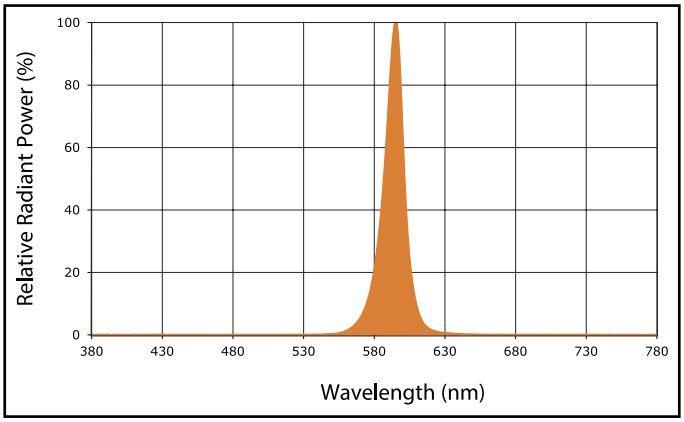
BOADP1

Photometric Data



NIKLAS 5-1X14-U-AM
360° Open - Clear Glass Lens
Grid in feet, Mounting Height = 3 ft.

Spectral Chart



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Photometric Performance

Optic	Wattage (Catalog Logic)	14W (1X14)
	Input Watts	16.1W
	CCT	Delivered Lumens
360° B5O Models F=Type V Optic	Amber	192
	BUG Rating	B0-U1-G0

Optic	Wattage (Catalog Logic)	14W (1X14)
	Input Watts	16.1W
	CCT	Delivered Lumens
180° B5H Models F=Type V Optic	Amber	136
	BUG Rating	B0-U1-G0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 14w	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.89	0.78	0.55	67,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.92	0.85	0.70	66,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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